Specifications

Type	Non-contact type
Measurable range	0 to 60 mmHg
	Includes automatic shifting between 30/60 mmHg.
Measuring increment	1 mmHg
Operation distance	11.3 mm from the front of nozzle
Observation range	Approx. 15 x 12 mm
Alignment	Full Auto/Auto/Manual
Memory	Max. 10 measurements for each eye
Data output	RS232C
Power-saving system	Available
Display	5-inch monochrome CRT monitor
Printer	Thermal line printer
Power supply	AC100 – 240V, 50/60Hz, 0.4 – 0.8A
Power consumption	Approx. 80VA
Operating range	Front/back: 40 mm
	Left/right: 90 mm
	Up/down: 30mm
Dimensions (W x D x H)	280 x 520 x 495 mm (11.0 x 20.5 x 19.5 in.)
Weight	20.5 kg (45.2 lbs.)

Components

Main unit	1
Objective lens cap	1
Chin rest paper	100 sheets
Printing paper (TP-58)	2 rolls
Power cable	1
Dust cover	1
Blower brush	1

Optional accessories

- Chin rest paper
- Printing paper (TP-58)
- Motorized table

TÜV CERT
DIN EN ISO 9001
Certificate: 09 100 5789

Specifications are subject to change without notice.

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0506SZ3 PRINTED IN JAPAN

Canon

TX-F
Full Auto Tonometer

Start & FINISH in Just One Step

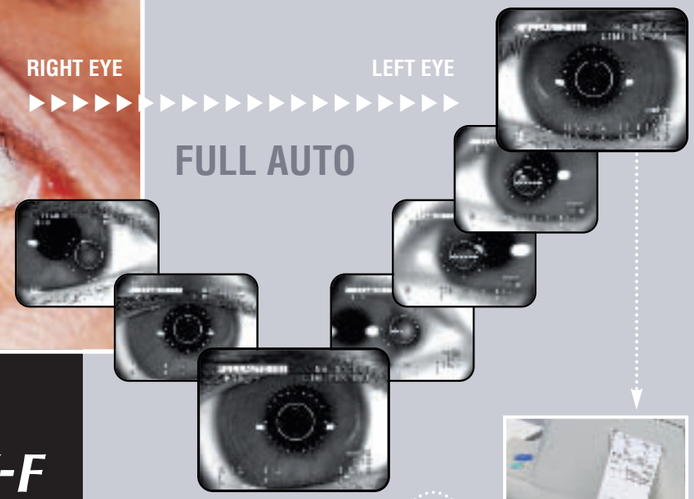
BEYOND AUTO-ALIGNMENT

START

RIGHT EYE

LEFT EYE

FULL AUTO



PRINT OUT

Full Auto Tonometer TX-F

Think of the TX-F as a "one-touch wonder." Because that's exactly what it is, thanks to Canon's innovative Full Auto technology—once your patient's eye is in the monitor, you simply press the Start button and the exam is over in seconds. The TX-F performs alignment, focusing and measurement for one eye, and then moves to the other eye in one continuous series of operations. All you have to do is wait for the printout. The entire process is remarkably quick, and the unit's three-dimensional tracking system ensures that your readings are extremely reliable. With the addition of the TX-F to our lineup of Full Auto ophthalmic instruments, Canon now offers the premier non-contact tonometer for raising eye exam efficiency.

A SIMPLE EYE EXAM IS NOW THE SIMPLEST IT WILL EVER BE

Full Auto Tonometer TX-F

Easier, more comfortable operation

The tracking system of the TX-F features an exceptionally wide range of movement, so that the examinee's pupil can be detected right away. And the unit's trackball and roller combination allows you to perform manual alignment with your fingertips alone.

Flexible control for varied needs

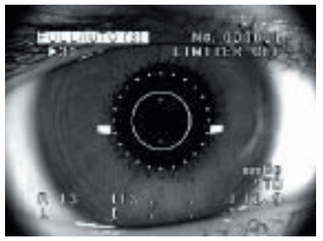
Although Full Auto operation gives you unprecedented ease, it might not always be appropriate. That's why the TX-F also includes Auto and Manual measurement modes for added flexibility. Switching between modes requires only a key press.

Improved care for your patients

The TX-F is extremely precise, and when it detects an instance of high pressure it will immediately display a warning message and halt operation. You'll never miss an urgent case thanks to this effective warning system.

ADVANCED TECHNOLOGY

Selectable measuring modes



Choose from either Full Auto, Auto, or Manual to match the situation. In **Full Auto** mode, you can set the TX-F to take 1 or 3 measurements for each eye, and it will perform alignment and measurement on both eyes after you press the Start button. Printout or data transfer can be automatic. In **Auto** mode, alignment and measurement are automatic, with only one measurement taken at a time. And in **Manual** mode, you have full control over alignment and focusing using the trackball and roller. Guides are marked on the central alignment ring to make it as easy as possible to align the two bright dots reflecting on the patient's cornea.

IOP warning display

The TX-F helps you diagnose ocular hypertension without delay by displaying a warning message whenever high pressure is detected. You can enter any threshold value on the unit's settings screen, and this will activate the TX-F's warning system for that value. When running the TX-F in Full Auto mode, operation will also be halted when the threshold is exceeded.

Visual confirmation of errors

Normally, if a measurement error occurs, you can't be completely sure of its cause. Not so with the TX-F. When a reading can't be made, the TX-F will show you a snapshot of the examinee's eye, giving you the information you need to correct things. At a glance, you'll know whether it was an eyelid, eyelash, or the eye being out of position that caused the error. A short message will tell you what action to take, such as adjusting the chin rest or limiter.

Display by order or reliability

During measurement, results are displayed near the bottom of the monitor. And, after the exam, you can access a display screen that lists IOP measurements stored in memory. Internal memory provide storage of up to 10 measurements for each eye, and these figures can be listed either in the order they were taken or by reliability.

USER-FRIENDLY DESIGN

Centralized controls and more

Alongside the trackball and roller, the TX-F features a control panel that puts keys for all major functions in one area. So whether you're switching the measurement mode or just want to adjust the chin rest, you can get anything done with maximum ease. As an added advantage, the design of the TX-F offers easy access to the examinee's eye if necessary.

- This key lets you switch from the eye monitor to the numerical list display, and back. Settings screens can also be accessed.
- Switch the active fixation lamp from an internal one to an external one when the examinee needs it.
- To prevent the air nozzle from accidentally hitting the examinee, the limiter puts a brake on how far forward the measurement head can move.
- With a long press, this key gives a demonstration of the air puff to put your examinee at ease. With a short press, it erases the current examinee's data from the screen, allowing you to skip the printing step and move on to the next person.
- In Full Auto mode, you can direct the TX-F to take 1 or 3 measurements for each eye.
- Shift the measurement mode from Full Auto to Auto to Manual. The active mode is displayed on the top part of the monitor.
- When using the TX-F in Auto or Manual mode, press the R/L key to move the measurement head from one eye to the next.
- Guide the motorized chin rest up and down until the examinee's eyes are aligned to the right position, which is indicated by a height adjustment mark on the forehead rest.

Extremely soft air puff

For most patients, the only thing remarkable—and worrisome—about tonometry is the air puff. Which is why it's important to ensure that this puff is as comfortable for them as can be. The TX-F employs one of the most delicate air puffs of any non-contact tonometer.

Convenient in every way

Benefits have been built into virtually every part of the TX-F. When it's not in operation for 3 minutes, for example, the power-saving mode automatically kicks in. Printing is fast, and an RS232C interface is included for data transfer to an external device. In addition, since the power cord connects to the bottom of the unit, the TX-F contributes to a tidy setup as well.